

## ABSTRACT

### RADIO COMMUNICATION SYSTEM

5 The invention relates to a radio communication system in which a time slot of a  
frame of a multiframe signal allocated to the frequency control channel is  
modulated using an 8PSK modulation scheme to contain a tone having a  
frequency which GMSK modulation is unsuited to generate. This enables  
10 COMPACT-format signals to be distinguished from GSM - format signals and  
ensures backwards compatibility with all existing GSM mobile stations.

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